

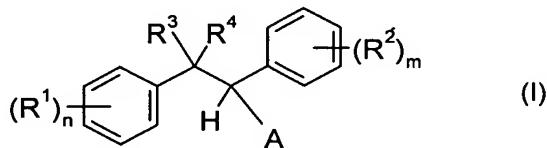
Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

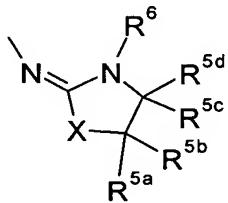
Listing of Claims:

Claims 1-19: (Cancelled).

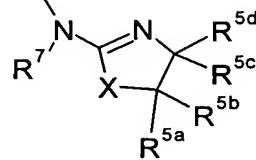
Claim 20 (New): 1-(Azolin-2-yl)amino-1,2-diphenylethane compounds of the general formula (I):



wherein A is a radical of the formulae A¹ or A²:



A¹



A²

and wherein

m is 0, 1, 2, 3, 4 or 5;

n is 0, 1, 2, 3, 4 or 5;

X is sulfur or oxygen;

R¹, R² are each independently halogen, OH, SH, NH₂, SO₃H, COOH, cyano, nitro, C₁-C₆-alkyl, C₁-C₆-alkoxy, C₁-C₆-alkylamino, di(C₁-C₆-alkyl)amino, C₁-C₈-alkylthio, C₂-C₆-alkenyl, C₂-C₆-alkenyloxy, C₂-C₆-alkenylamino, C₂-C₆-alkenylthio, C₂-C₆-alkynyl, C₂-C₆-alkynyoxy, C₂-C₆-alkynylamino, C₂-C₆-alkynylthio, C₁-C₆-alkylsulfonyl, C₁-C₆-alkylsulfoxyl, C₂-C₆-alkenylsulfonyl, C₂-C₆-alkynylsulfonyl, formyl, C₁-C₆-alkylcarbonyl, C₂-C₆-alkenylcarbonyl, C₂-C₆-alkynylcarbonyl, C₁-C₆-alkoxycarbonyl, C₂-C₆-alkenyloxcarbonyl, C₂-C₆-alkynyoxy carbonyl, carbonyloxy, C₁-C₆-alkylcarbonyloxy, C₁-C₆-alkenyl carbonyloxy, C₁-C₆-alkynyl carbonyloxy, wherein the carbon atoms in the aliphatic radicals of the aforementioned groups may carry any combination of 1,2 or 3 radicals R[#],

C(O)NR^aR^b, (SO₂)NR^aR^b, wherein R^a and R^b are each independently hydrogen, C₁-C₆-alkyl, C₂-C₆-alkenyl, or C₂-C₆-alkynyl, wherein the carbon atoms in these groups may carry any combination of 1, 2 or 3 radicals R[#],

a radical Y-Ar or a radical Y-Cy, wherein

Y is a single bond, oxygen, sulfur, C₁-C₆-alkandiyl or C₁-C₆-alkandiyloxy,

Ar is phenyl, naphthyl or a mono- or bicyclic 5- to 10-membered heteroaromatic ring, which contains 1,2, 3 or 4 heteroatoms selected from oxygen, sulfur and nitrogen as ring members, wherein Ar is unsubstituted or may carry any combination of 1, 2, 3, 4 or 5 radicals R[#]; and

Cy is C₃-C₁₂-cycloalkyl, which is unsubstituted or substituted with any combination of 1, 2, 3, 4 or 5 radicals R[#];

and wherein two radicals R¹ or two radicals R² that are bound to adjacent carbon atoms of the phenyl rings may form together with said carbon atoms a fused benzene ring, a fused saturated or partially unsaturated 5-, 6-, or 7-membered carbocycle or a fused 5-, 6-, or 7-membered heterocycle, which contains 1, 2, 3 or 4 heteroatoms selected from oxygen, sulfur and nitrogen as ring members, and wherein the fused ring is unsubstituted or may carry any combination of 1, 2, 3, or 4 radicals R[#];

R³, R⁴ are each independently hydrogen, C₁-C₆-alkyl, C₁-C₆-haloalkyl, C₃-C₆-cycloalkyl, wherein the carbon atoms in these groups may carry any combination of 1, 2 or 3 radicals R[#], phenyl or benzyl, each unsubstituted or substituted with any combination of 1 to 5 halogen, 1 to 3 C₁-C₆-alkyl, C₁-C₆-haloalkyl, C₁-C₆-alkylthio, C₁-C₆-haloalkylthio, C₁-C₆-alkoxy or C₁-C₆-haloalkoxy groups;

R^{5a}, R^{5b}, R^{5c}, R^{5d} are each independently hydrogen, C₁-C₆-alkyl, C₁-C₆-haloalkyl, C₁-C₆-alkylamino, C₁-C₆-alkoxy, C₃-C₆-cycloalkyl, wherein the carbon atoms in these groups may carry any combination of 1, 2 or 3 radicals R[#], halogen, cyano, nitro, hydroxy, mercapto, amino, phenyl or benzyl, each unsubstituted or substituted with any combination of 1 to 5 halogen, 1 to 3 C₁-C₆-alkyl, C₁-C₆-haloalkyl, C₁-C₆-alkylthio, C₁-C₆-haloalkylthio, C₁-C₆-alkoxy or C₁-C₆-haloalkoxy groups;

R⁶ is hydrogen, cyano, nitro, C₁-C₆-alkyl, formyl, C₁-C₆-alkylcarbonyl, C₁-C₆-alkoxycarbonyl, C₁-C₆-alkylthiocarbonyl, wherein the carbon atoms in the aliphatic radicals of the aforementioned groups may carry any combination of 1, 2 or 3 radicals R[#], C(O)NR^aR^b, or (SO₂)NR^aR^b, wherein R^a and R^b are as defined above, phenyl, phenoxy, or benzyl, each of the last three mentioned radicals may be unsubstituted or substituted with any combination of 1 to 5 halogen, 1 to 3 C₁-C₆-alkyl, C₁-C₆-haloalkyl, C₁-C₆-alkylthio, C₁-C₆-haloalkylthio, C₁-C₆-alkoxy or C₁-C₆-haloalkoxy groups;

R⁷ is hydrogen, cyano, nitro, C₁-C₆-alkyl, formyl, C₁-C₆-alkylcarbonyl, C₁-C₆-alkoxycarbonyl, wherein the carbon atoms in the aliphatic radicals of the aforementioned groups may carry any combination of 1, 2 or 3 radicals R[#], C(O)NR^aR^b, or (SO₂)NR^aR^b, wherein R^a and R^b are as defined above, phenyl, phenoxy or benzyl, each of the last three mentioned groups may be unsubstituted or substituted with any combination of 1 to 5 halogen, 1 to 3 C₁-C₆-alkyl, C₁-C₆-haloalkyl, C₁-C₆-alkylthio, C₁-C₆-haloalkylthio, C₁-C₆-alkoxy or C₁-C₆-haloalkoxy groups; and

R[#] is halogen, cyano, nitro, hydroxy, mercapto, amino, carboxyl, C₁-C₆-alkyl, C₁-C₆-alkoxy, C₂-C₆-alkenyoxy, C₂-C₆-alkynyloxy, C₁-C₆-haloalkoxy, or C₁-C₆-alkylthio;
and the agriculturally acceptable salts thereof.

Claim 21 (New): The compounds as claimed in claim 20, wherein R³ is hydrogen or C₁-C₄-alkyl.

Claim 22 (New): The compounds as claimed in claim 20, wherein R⁴ is hydrogen, C₁-C₄-alkyl, C₁-C₄-haloalkyl, C₁-C₄-alkoxy-C₁-C₄-alkyl, or phenyl, which is unsubstituted or substituted with any combination of 1 to 5 halogen, 1 to 3 C₁-C₆-alkyl, C₁-C₆-haloalkyl, C₁-C₆-alkylthio, C₁-C₆-haloalkylthio, C₁-C₆-alkoxy or C₁-C₆-haloalkoxy groups.

Claim 23 (New): The compounds as claimed in claim 21, wherein R⁴ is hydrogen, C₁-C₄-alkyl, C₁-C₄-haloalkyl, C₁-C₄-alkoxy-C₁-C₄-alkyl, or phenyl, which is unsubstituted or substituted with any combination of 1 to 5 halogen, 1 to 3 C₁-C₆-alkyl, C₁-C₆-haloalkyl, C₁-C₆-alkylthio, C₁-C₆-haloalkylthio, C₁-C₆-alkoxy or C₁-C₆-haloalkoxy groups.

Claim 24 (New): The compounds as claimed claim 20, wherein both R³ and R⁴ are hydrogen.

Claim 25 (New): The compounds as claimed in claim 20, wherein R³ is hydrogen and R⁴ is selected from C₁-C₄-alkyl, C₁-C₄-haloalkyl, C₁-C₄-alkoxy-C₁-C₄-alkyl, or phenyl, which is unsubstituted or substituted with any combination of 1 to 5 halogen, 1 to 3 C₁-C₆-alkyl, C₁-C₆-haloalkyl, C₁-C₆-alkylthio, C₁-C₆-haloalkylthio, C₁-C₆-alkoxy or C₁-C₆-haloalkoxy groups.

Claim 26 (New): The compounds as claimed in claim 20, wherein A in formula I is a radical A¹, wherein R⁶ is hydrogen, C₁-C₄-alkyl, formyl, C₁-C₆-alkylcarbonyl, C₁-C₄-haloalkylcarbonyl, C₁-C₆-alkoxycarbonyl, C₁-C₄-alkoxy-C₁-C₄-alkoxycarbonyl or C₁-C₆-alkylthiocarbonyl.

Claim 27 (New): The compounds as claimed in claim 20, wherein A in formula I is a radical A², wherein R⁷ is hydrogen.

Claim 28 (New): The compounds as claimed in claim 20, wherein the radicals R^{5a}, R^{5b}, R^{5c} and R^{5d} are each hydrogen.

Claim 29 (New): The compounds as claimed in claim 20, wherein at least one of the radicals R^{5a}, R^{5b}, R^{5c} and R^{5d} is different from hydrogen.

Claim 30 (New): The compounds as claimed in claim 20, wherein n in formula I is 0, 1 or 2.

Claim 31 (New): The compounds as claimed in claim 30, wherein n+m is an integer from 1, 2, 3 or 4.

Claim 32 (New): The compounds as claimed in claim 20, wherein m in formula I is 0, 1 or 2.

Claim 33 (New): The compounds as claimed in claim 32, wherein n+m is an integer from 1, 2, 3 or 4.

Claim 34 (New): The compounds as claimed in claimed in claim 20, wherein R¹ and R² are each independently selected from halogen, C₁-C₄-alkyl, C₁-C₄-alkoxy, C₁-C₄-haloalkyl, and phenyl, which is unsubstituted or substituted with any combination of 1 to

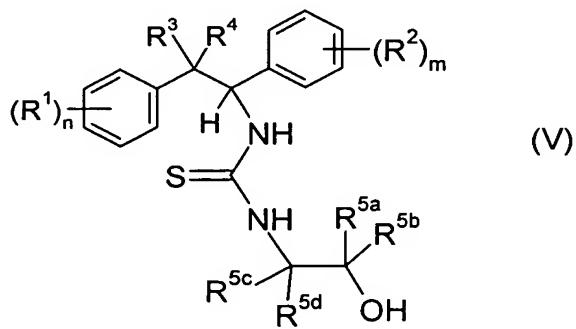
5 halogen, 1 to 3 C₁-C₆-alkyl, C₁-C₆-haloalkyl, C₁-C₆-alkylthio, C₁-C₆-haloalkylthio, C₁-C₆-alkoxy or C₁-C₆-haloalkoxy groups.

Claim 35 (New): A method of combating animal pests selected from insects, arachnids and nematodes which comprises contacting said animal pests, their habit, breeding ground, food supply, plant, seed, soil, area, material or environment in which the animal pests are growing or may grow, or the materials, plants, seeds, soils, surfaces or spaces to be protected from attack or infestation by insects, arachnids or nematodes with a pesticidally effective amount of at least one 1-(azolin-2-yl)amino-1,2-diphenylethane compound of the general formula I as defined in claim 20 and/or at least one salt thereof.

Claim 36 (New): A method for protecting crops from attack or infestation by insects, arachnids or nematodes which comprises contacting a crop with a pesticidally effective amount of at least one 1-(azolin-2-yl)amino-1,2-diphenylethane compound of the general formula I as defined in claim 20 and/or at least one salt thereof.

Claim 37 (New): An agricultural composition comprising at least one 1-(azolin-2-yl)amino-1,2-diphenylethane compound of the general formula I as defined in claim 20 and/or at least one salt thereof and a solid or liquid carrier.

Claim 38 (New): Compounds of the formula V



wherein

m is 0, 1, 2, 3, 4 or 5;

n is 0, 1, 2, 3, 4 or 5;

R¹, R² are each independently halogen, OH, SH, NH₂, SO₃H, COOH, cyano, nitro, C₁-C₆-alkyl, C₁-C₆-alkoxy, C₁-C₆-alkylamino, di(C₁-C₆-alkyl)amino, C₁-C₆-alkylthio, C₂-C₆-alkenyl, C₂-C₆-alkenyloxy, C₂-C₆-alkenylamino, C₂-C₆-alkenylthio, C₂-C₆-alkynyl, C₂-C₆-alkynyoxy, C₂-C₆-alkynylamino, C₂-C₆-

alkynylthio, C₁-C₆-alkylsulfonyl, C₁-C₆-alkylsulfoxy, C₂-C₆-alkenylsulfonyl, C₂-C₆-alkynylsulfonyl, formyl, C₁-C₆-alkylcarbonyl, C₂-C₆-alkenylcarbonyl, C₂-C₆-alkynylcarbonyl, C₁-C₆-alkoxycarbonyl, C₂-C₆-alkenyloxycarbonyl, C₂-C₆-alkynyloxy carbonyl, carbonyloxy, C₁-C₆-alkylcarbonyloxy, C₁-C₆-alkenyl carbonyloxy, C₁-C₆-alkynyl carbonyloxy, wherein the carbon atoms in the aliphatic radicals of the aforementioned groups may carry any combination of 1,2 or 3 radicals R[#], C(O)NR^aR^b, (SO₂)NR^aR^b, wherein R^a and R^b are each independently hydrogen, C₁-C₆-alkyl, C₂-C₆-alkenyl, or C₂-C₆-alkynyl, wherein the carbon atoms in these groups may carry any combination of 1, 2 or 3 radicals R[#],

a radical Y-Ar or a radical Y-Cy, wherein

Y is a single bond, oxygen, sulfur, C₁-C₆-alkandiyl or C₁-C₆-alkandiyloxy,

Ar is phenyl, naphthyl or a mono- or bicyclic 5- to 10-membered heteroaromatic ring, which contains 1,2, 3 or 4 heteroatoms selected from oxygen, sulfur and nitrogen as ring members, wherein Ar is unsubstituted or may carry any combination of 1, 2, 3, 4 or 5 radicals R[#]; and

Cy is C₃-C₁₂-cycloalkyl, which is unsubstituted or substituted with any combination of 1, 2, 3, 4 or 5 radicals R[#];

and wherein two radicals R¹ or two radicals R² that are bound to adjacent carbon atoms of the phenyl rings may form together with said carbon atoms a fused benzene ring, a fused saturated or partially unsaturated 5-, 6-, or 7-membered carbocycle or a fused 5-, 6-, or 7-membered heterocycle, which contains 1, 2, 3 or 4 heteroatoms selected from oxygen, sulfur and nitrogen as ring members, and wherein the fused ring is unsubstituted or may carry any combination of 1, 2, 3, or 4 radicals R[#];

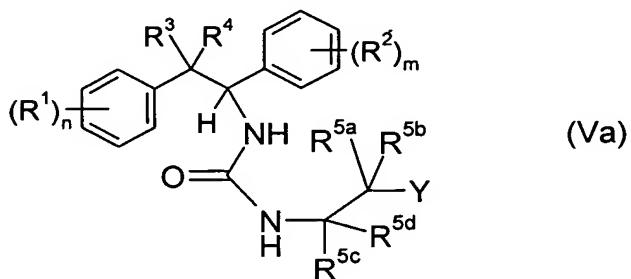
R³, R⁴ are each independently hydrogen, C₁-C₆-alkyl, C₁-C₆-haloalkyl, C₃-C₆-cycloalkyl, wherein the carbon atoms in these groups may carry any combination of 1, 2 or 3 radicals R[#], phenyl or benzyl, each unsubstituted or substituted with any combination of 1 to 5 halogen, 1 to 3 C₁-C₆-alkyl, C₁-C₆-haloalkyl, C₁-C₆-alkylthio, C₁-C₆-haloalkylthio, C₁-C₆-alkoxy or C₁-C₆-haloalkoxy groups;

R^{5a}, R^{5b}, R^{5c}, R^{5d} are each independently hydrogen, C₁-C₆-alkyl, C₁-C₆-haloalkyl, C₁-C₆-alkylamino, C₁-C₆-alkoxy, C₃-C₆-cycloalkyl, wherein the carbon atoms

in these groups may carry any combination of 1, 2 or 3 radicals R[#], halogen, cyano, nitro, hydroxy, mercapto, amino, phenyl or benzyl, each unsubstituted or substituted with any combination of 1 to 5 halogen, 1 to 3 C₁-C₆-alkyl, C₁-C₆-haloalkyl, C₁-C₆-alkylthio, C₁-C₆-haloalkylthio, C₁-C₆-alkoxy or C₁-C₆-haloalkoxy groups; and

R[#] is halogen, cyano, nitro, hydroxy, mercapto, amino, carboxyl, C₁-C₆-alkyl, C₁-C₆-alkoxy, C₂-C₆-alkenyloxy, C₂-C₆-alkynyoxy, C₁-C₆-haloalkoxy, or C₁-C₆-alkylthio.

Claim 39 (New): Compounds of the formula Va



wherein Y is halogen or OH and wherein

m is 0, 1, 2, 3, 4 or 5;

n is 0, 1, 2, 3, 4 or 5;

R^1, R^2 are each independently halogen, OH, SH, NH₂, SO₃H, COOH, cyano, nitro, C₁-C₆-alkyl, C₁-C₆-alkoxy, C₁-C₆-alkylamino, di(C₁-C₆-alkyl)amino, C₁-C₈-alkylthio, C₂-C₆-alkenyl, C₂-C₆-alkenyloxy, C₂-C₆-alkenylamino, C₂-C₆-alkenylthio, C₂-C₆-alkynyl, C₂-C₆-alkynyloxy, C₂-C₆-alkynylamino, C₂-C₆-alkynylthio, C₁-C₆-alkylsulfonyl, C₁-C₆-alkylsulfoxyl, C₂-C₆-alkenylsulfonyl, C₂-C₆-alkynylsulfonyl, formyl, C₁-C₆-alkylcarbonyl, C₂-C₆-alkenylcarbonyl, C₂-C₆-alkynylcarbonyl, C₁-C₆-alkoxycarbonyl, C₂-C₆-alkenyloxycarbonyl, C₂-C₆-alkynyloxy carbonyl, carbonyloxy, C₁-C₆-alkylcarbonyloxy, C₁-C₆-alkenyl carbonyloxy, C₁-C₆-alkynyl carbonyloxy, wherein the carbon atoms in the aliphatic radicals of the aforementioned groups may carry any combination of 1,2 or 3 radicals $R^\#$, C(O)NR^aR^b, (SO₂)NR^aR^b, wherein R^a and R^b are each independently hydrogen, C₁-C₆-alkyl, C₂-C₆-alkenyl, or C₂-C₆-alkynyl, wherein the carbon atoms in these groups may carry any combination of 1, 2 or 3 radicals $R^\#$,

a radical Y-Ar or a radical Y-Cy, wherein

Y is a single bond, oxygen, sulfur, C₁-C₆-alkandiyl or C₁-C₆-alkandiyloxy,

Ar is phenyl, naphthyl or a mono- or bicyclic 5- to 10-membered heteroaromatic ring, which contains 1, 2, 3 or 4 heteroatoms selected from oxygen, sulfur and nitrogen as ring members, wherein Ar is unsubstituted or may carry any combination of 1, 2, 3, 4 or 5 radicals R[#]; and

Cy is C₃-C₁₂-cycloalkyl, which is unsubstituted or substituted with any combination of 1, 2, 3, 4 or 5 radicals R[#];

and wherein two radicals R¹ or two radicals R² that are bound to adjacent carbon atoms of the phenyl rings may form together with said carbon atoms a fused benzene ring, a fused saturated or partially unsaturated 5-, 6-, or 7-membered carbocycle or a fused 5-, 6-, or 7-membered heterocycle, which contains 1, 2, 3 or 4 heteroatoms selected from oxygen, sulfur and nitrogen as ring members, and wherein the fused ring is unsubstituted or may carry any combination of 1, 2, 3, or 4 radicals R[#];

R³, R⁴ are each independently hydrogen, C₁-C₆-alkyl, C₁-C₆-haloalkyl, C₃-C₆-cycloalkyl, wherein the carbon atoms in these groups may carry any combination of 1, 2 or 3 radicals R[#], phenyl or benzyl, each unsubstituted or substituted with any combination of 1 to 5 halogen, 1 to 3 C₁-C₆-alkyl, C₁-C₆-haloalkyl, C₁-C₆-alkylthio, C₁-C₆-haloalkylthio, C₁-C₆-alkoxy or C₁-C₆-haloalkoxy groups;

R^{5a}, R^{5b}, R^{5c}, R^{5d} are each independently hydrogen, C₁-C₆-alkyl, C₁-C₆-haloalkyl, C₁-C₆-alkylamino, C₁-C₆-alkoxy, C₃-C₆-cycloalkyl, wherein the carbon atoms in these groups may carry any combination of 1, 2 or 3 radicals R[#], halogen, cyano, nitro, hydroxy, mercapto, amino, phenyl or benzyl, each unsubstituted or substituted with any combination of 1 to 5 halogen, 1 to 3 C₁-C₆-alkyl, C₁-C₆-haloalkyl, C₁-C₆-alkylthio, C₁-C₆-haloalkylthio, C₁-C₆-alkoxy or C₁-C₆-haloalkoxy groups; and

R[#] is halogen, cyano, nitro, hydroxy, mercapto, amino, carboxyl, C₁-C₆-alkyl, C₁-C₆-alkoxy, C₂-C₆-alkenyloxy, C₂-C₆-alkynyloxy, C₁-C₆-haloalkoxy, or C₁-C₆-alkylthio.